

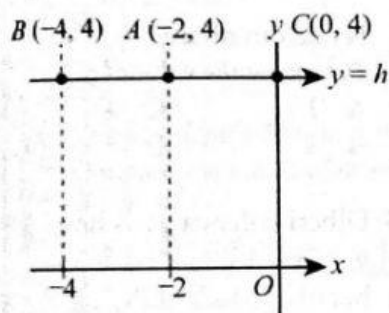
BAHAGIAN/SECTION A

Arahan: Jawab semua soalan.
Instruction: Answer all questions.

- 1 Nyatakan pintasan-y bagi garis lurus $y = 3x + 5$.
State the y-intercept of the straight line $y = 3x + 5$.

A 1
B 2
C 3
D 5

- 2 Rajah di bawah menunjukkan satu graf garis lurus.
The diagram below shows a graph of straight line.



Cari nilai h .
Find the value of h .

A -4
B -2
C 0
D 4

- 3 Tukarkan persamaan garis lurus $-3x + 4y = 12$ kepada bentuk $\frac{x}{a} + \frac{y}{b} = 1$.

Change the equation of straight line $-3x + 4y = 12$ to the form of $\frac{x}{a} + \frac{y}{b} = 1$.

A $-\frac{x}{3} + \frac{y}{4} = 1$
B $-\frac{x}{4} + \frac{y}{3} = 1$
C $\frac{x}{3} + \frac{y}{4} = 1$
D $\frac{x}{4} + \frac{y}{3} = 1$

- 4 Tukarkan persamaan garis lurus di bawah kepada bentuk $y = mx + c$.
Change the equation of straight line below to the form of $y = mx + c$.

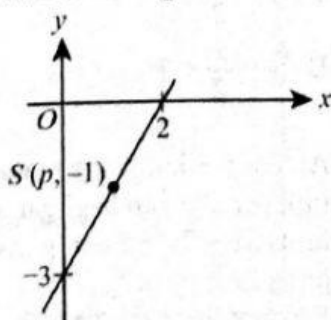
$$\frac{2x}{3} + \frac{y}{2} = 1$$

A $y = -\frac{4}{3}x + 2$
B $y = \frac{4}{3}x + 2$
C $y = 4x + 3$
D $y = 4x + 2$

- 5 Tukarkan persamaan garis lurus $y = -3x + 2$ kepada bentuk $ax + by = c$.
Change the equation of straight line $y = -3x + 2$ to the form of $ax + by = c$.

A $x + 3y = 2$
B $3x + y = 2$
C $2x + 3y = 1$
D $3x + 2y = 1$

- 6 Rajah di bawah menunjukkan graf garis lurus $4x - 2y = 6$. Diberi bahawa O adalah asalan.
The diagram below shows a graph of straight line $4x - 2y = 6$. Given that O is the origin.



Cari nilai p .
Find the value of p .

A -1
B 0
C 1
D 2

- 7 Tentukan titik Q yang terletak pada garis lurus $4x - 2y = 10$.
Determine a point Q that lies on the straight line $4x - 2y = 10$.

A $Q(3, -2)$
B $Q(2, 5)$
C $Q(-1, 4)$
D $Q(2, -1)$

- 8 Antara berikut persamaan, garis lurus yang manakah selari dengan garis lurus $8x - 4y = 3$?
Which of the following equation of straight line is parallel to the straight line $8x - 4y = 3$?

A $y = 2x + 5$
B $y = 3x + 6$
C $y = 4x - 7$
D $y = 5x - 2$

- 9 Antara berikut, yang manakah garis lurus yang tidak selari dengan garis lurus $5x + y = 10$?
Which of the following straight lines is not parallel to the straight line $5x + y = 10$?

A $y = -5x + 2$
B $10x + 2y = 8$
C $8x + 3y = 5$
D $2y = -10x + 4$

- 10 Diberi bahawa garis lurus $5x + 3y = 12$ adalah selari dengan garis lurus $hx + 6y = 3$. Hitung nilai h .
Given that the straight line $5x + 3y = 12$ is parallel to the straight line $hx + 6y = 3$. Calculate the value of h .

A 3
B 5
C 6
D 10

- 11** Cari persamaan garis lurus dengan kecerunan 5 dan melalui titik (2, 9).

Find the equation of a straight line with a gradient of 5 and passes through point (2, 9).

- A $y = x - 1$
 B $2y = 10x + 1$
 C $y = 5x - 1$
 D $2y = 5x - 1$

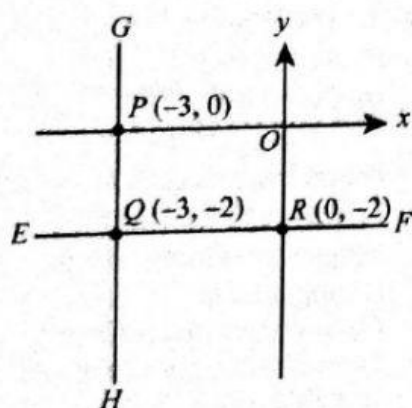
- 12** Tentukan persamaan garis lurus yang melalui titik (1, 3) dan (4, 6).

Determine the equation of a straight line that passes through points (1, 3) and (4, 6).

- A $y = x - 2$
 B $y = x + 2$
 C $y = 2x + 1$
 D $y = 2x - 1$

- 13** Rajah di bawah menunjukkan garis lurus EF dan GH. Diberi bahawa garis lurus EF adalah selari dengan paksi-x dan garis lurus GH adalah selari dengan paksi-y.

The diagram below shows straight lines EF and GH. Given that the straight line EF is parallel to the x-axis and straight line GH is parallel to the y-axis.



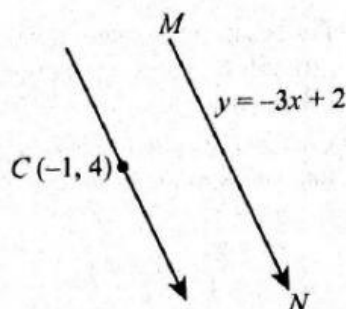
Nyatakan persamaan garis lurus QR.

State the equation of the straight line QR.

- A $y = -3$ C $y = 0$
 B $y = -2$ D $y = 3$

- 14** Rajah di bawah menunjukkan garis lurus MN dengan persamaan $y = -3x + 2$.

The diagram below shows straight line MN with equation $y = -3x + 2$.



Tentukan persamaan garis lurus yang selari dengan MN dan melalui titik C(-1, 4).

Determine the equation of a straight line parallel to MN and passes through point C(-1, 4).

- A $y = -2x + 4$
 B $y = -3x + 1$
 C $y = -2x$
 D $y = -3x$

- 15** Cari persamaan garis lurus yang selari dengan garis lurus $x + 2y = 5$ dan melalui titik B(4, 5).

Find the equation of a straight line parallel to the straight line $x + 2y = 5$ and passes through point B(4, 5).

- A $y = -\frac{x}{2} - 3$
 B $y = -\frac{x}{2} + 7$
 C $y = \frac{x}{2} - 3$
 D $y = \frac{x}{2} + 7$

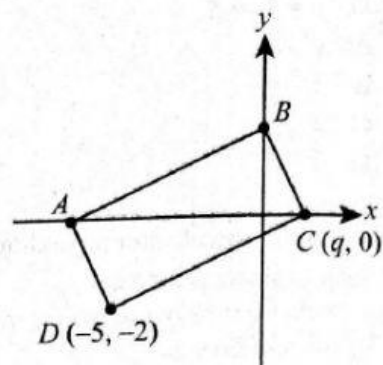
- 16** Antara berikut, yang manakah titik persilangan bagi garis lurus $3x + 2y = 5$ dan garis lurus $2x + y = 4$?

Which of the following is the point of intersection of two straight lines $3x + 2y = 5$ and $2x + y = 4$?

- A (-1, 2) C (3, -2)
 B (-2, 3) D (3, -1)

- 17** Rajah di bawah menunjukkan segi empat selari ABCD. Diberi bahawa kecerunan AB ialah $\frac{1}{3}$.

The diagram below shows a parallelogram ABCD. Given that the gradient of AB is $\frac{1}{3}$.



Nyatakan nilai q.

Determine the value of q.

- A 1 C 4
 B 3 D 5

- 18** Diberi bahawa garis lurus $y = 3x - 1$ dan $x + y = 3$ bersilang pada titik P.

Cari koordinat bagi titik P.

Given that the straight line $y = 3x - 1$ and $x + y = 3$ intersect at point P.

Find the coordinates of point P.

- A (2, 1)
 B (1, 2)
 C $(2, \frac{3}{2})$
 D $(\frac{3}{2}, 2)$

- 19** Cari titik persilangan bagi pasangan garis lurus yang berikut.

Find the point of intersection of the following pair of straight lines.

$$\begin{aligned} 3x + 2y &= -19 \\ x - y &= -3 \end{aligned}$$

- A (-5, -2)
 B (5, 2)
 C (-2, -5)
 D (2, 5)

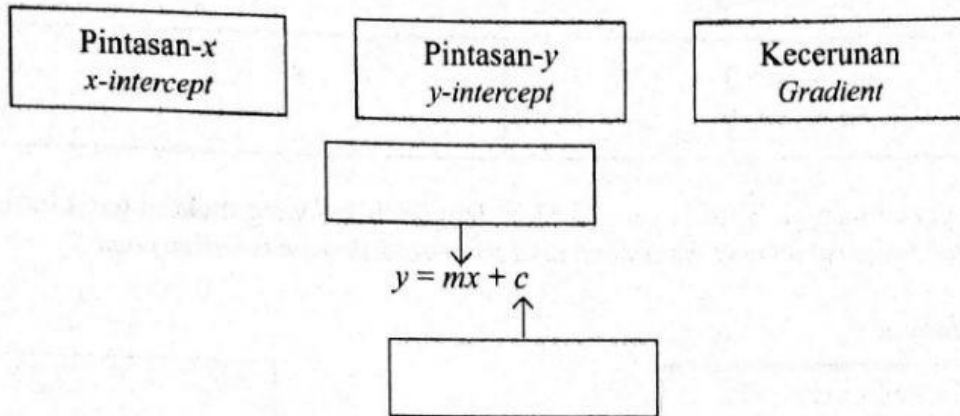
BAHAGIAN/ SECTION B

Arahan: Jawab semua soalan.
Instruction: Answer all questions.

- 20 (a) Isikan petak kosong dengan jawapan yang betul.
9.1 Fill in the blanks with the correct answers.

[2 markah/marks]

Jawapan/Answer:



- (b) Lengkapkan jadual di bawah dengan jawapan yang betul.
9.1 Complete the table below with the correct answers.

[2 markah/marks]

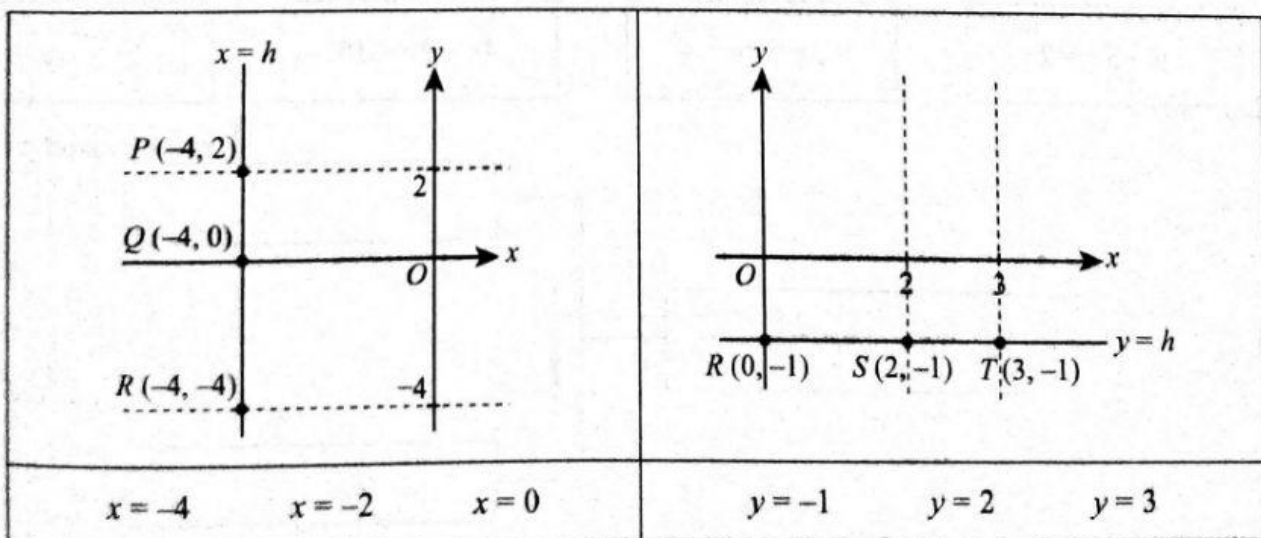
Jawapan/Answer:

Persamaan garis lurus Equation of straight line	Pintasan-y y-intercept	Kecerunan Gradient
$3y = x + 9$		
$\frac{2x}{3} - \frac{y}{2} = 1$		

- 21 (a) Bulatkan nilai h yang betul bagi graf garis lurus yang berikut.
9.1 Circle the correct value of h for the following graphs.

[2 markah/marks]

Jawapan/Answer:



(b) Tentukan sama ada **Benar** atau **Palsu** garis lurus yang berikut adalah selari.

9.1 Determine whether it is **True** or **False** that the following straight lines are parallel.

[2 markah/marks]

Jawapan/Answer:

Persamaan garis lurus Equation of straight line	Benar atau Palsu True or False
$y = x + 2$ $10x - 5y = 3$	
$y = -2x + 3$ $6x + 3y = 9$	

22 (a) Padankan persamaan garis lurus yang berikut dengan titik S yang melalui garis lurus tersebut.

9.1 Match the following equation of the straight lines that passes through the given point S .

[2 markah/marks]

Jawapan/Answer:

Persamaan garis lurus Equation of straight line	Titik S Point S
$2x + y = 5$	$(-10, 8)$
$\frac{x}{4} + \frac{y}{2} = 1$	$(5, 4)$
	$(-1, 3)$
	$(4, 1)$

(b) Isikan petak kosong dengan persamaan garis lurus yang mempunyai kecerunan yang sama.

9.1 Fill in the blanks with the equation of straight line of the same gradient.

[2 markah/marks]

Jawapan/Answer:

$y - 3x = 2$	$-3x + 2y = 4$	$4x - 2y = 10$	$-2y = -6x + 2$
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